

Amendments to the Specification:

Please replace the paragraph on page 1, lines 15-21 with the following new paragraph:

The present patent application is related to co-pending and commonly owned U.S. Patent Application No. ~~XX/XXX,XXX~~ 10/675,828,, Attorney Docket No. POU920030132US1, entitled “Policy Driven Autonomic Computing – Specifying Relationships”, filed on even date herewith, and is related to U.S. Patent Application No. ~~XX/XXX,XXX~~ 10/647,996, Attorney Docket No. POU920030133US1, entitled “Policy Driven Automation – Specifying Equivalent Resources”, filed on even date herewith, the entire teachings of which being hereby incorporated by reference.

Please replace the paragraph on page 14, lines 11-21 to page 15, lines 1-4 with the following new paragraph:

A more detailed block diagram of the cluster resource manager ~~306~~ 304 is shown in FIG.4. A user interface 402 allows an administrator to specify policy definitions 404 resource groups 420. In addition, a resource harvester 406 determines implicit relationships between resources through self-discovery. An equivalency definer 416 outputs a set of equivalencies 416 that is stored in memory, such as a file or record, and are determined both from implicit discovery or explicit specification. The policy generator 422 is communicatively coupled to the user interface 402, the policy definitions 404, the equivalencies 418, and the resource groups 420, and uses the information from each of these elements to construct a system-wide graph 410 to find a set of available actions. A resource monitor 414 is communicatively coupled to each resource in the cluster and to the resource harvester 406, for communicating with each resource. An automation engine 412, is communicatively coupled to the system-wide graph of actions 410, the policy definitions 404, and the resource monitor 414, and relays desired

actions to each resource via the resource monitor 414 in order for the system to establish and maintain a desired end state.

Please replace the paragraph on page 26, lines 12-18 with the following new paragraph:

A scenario involving collocated resources is shown in FIG. 11. The system 1100 is configured with the policy 1102 App → Collocated IP. A catastrophic failure occurs to node 2 1106 wherein both the App and the IP become unavailable. If the automation engine 412 attempts to bring up the App and IP resources on node 1 1104, but one resource, such as the App, fails to start, IP cannot remain on node 1 1104. Instead, both the App 1112 and the IP 1114 must be ~~must~~ to the same location, in this case, node 4 1110.

Please replace the paragraph on page 26, lines 12-18 with the following new paragraph:

However, if an acceptable substrate still cannot be found, at step 1306, it is also desirable to allow the policy generator 422 to evaluate other conditional relationships specifications, at step 1308, which take place when the state of a specified resource is known and the full set of relationships do not result in a solution at steps 1301, 1302. Conditional relationships allow policy definitions to be applied when the state of the specified resource meets a predetermined requirement. Thus If Resource A → CollocatedWith Resource B if that resource is active, but can be placed elsewhere if Resource B is not active, it is necessary to specify a conditional operator on the relationship specified above. Thus, Resource A → AntiCollocatedWith, IfOnline Resource B, forcing the location of Resource A ONLY if Resource B itself is active or can be activated. Additional conditionals can be defined (ifOnline, ~~ifOnline~~ ifOffline, ifOnNodex) which provide the administrator with the ability to control the policy when a given state for the system occurs.